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Defense Industry Consumption of Copper and Mickel

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25X1X7 the same in 1957. Off and have agreed on an estimate of direct military consumption of copper in the Bino-Soviet Bloc of 120,000 metric tone in 1956. Off estimates that direct military consumption of copper was about have also agreed that direct military consumption of copper understates the role of copper in the Bloc's military programs; e.g., large quantities of copper are used for communications facilities.

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  2. GRN and spree that if the Bloc were to mobilize, total military requirements sould be 355,000 tons or some 70 percent of total indigenous supply. This is so large a proportion of the smallable supply that it is inconceivable that the whole smount could be diverted from general industrial uses. Some of the military requirements obviously would have to go unfilled.
- 3. Information on the direct military communition of nickel in the USER is not available. Insernch as nickel enters into consumption principally via the steel industry, its demand is closely related to the production of steel. On the besis of the availability of nickel in 1956, the Sinc-Soviet Blac had only 1.2 pounds of nickel per ton of steel produced. In the Free World, there were 2.0 pounds of nickel per ton of steel produced, and in the U.S. 2.2 pounds per ton.
- 4. Noble-dollar ratios and meserous reports of Bloc attempts to sampgle nickel from the Free World suggest that nickel is in tight supply in the USER. The ruble-dollar ratio for steel mill products in the UNER is 6 to 1, but the ratio for nickel is 16 to 1. Nickel has been manageled into the Bloc by sonconiment of the shipment under a non-strategic item (i.e. vegetables) or by concealment in compertments of trucks or automobiles, smooth other techniques. The goods were then smappled screes various border points into Switserland for transchipment to the Bloc via Austria and/or Yngoslavia, or from West Berlin to the Soviet Zone of Germany. Other reported diversions in 1956 and 1957 included: (1) a series of 23 known shipments of nickel, comprising 70 tons, shipped to the Soviet Bloc in freight cars from Sweden via the free port of Besel; (2) a 14-ten shipment from Sweden to Dermark and from there on a Danish radiusy car by ferry to Fast Cormany documented for a forwarding firm in Desel; (3) 8 tons of U.S. origin mickel cathodes diverted through the use of forgod Papelsvien official end-use certificates. A similar 15-ton shipment of U.S. origin cathodes supported by forged Yugoslavian official end-use certificates was stopped in the Netherlands.



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5. On the besis of those data, it is concluded that the bloc is short of mickel, and that all consumers including the military, are forced to manage with minimum supplies. Any increases in the availability of mickel probably would present greater use of mickel in military end items.

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Distribution:

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